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UTILITY PATENT APPLICATION TRANSMITTAL
(Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.

00007/01UTL

EL-813 584 126 US

Express Mail Number

CERTIFICATION UNDER 37 C.F.R. § 1.10

9 July 2001

Date of Deposit

I hereby certify that this Application and the documents referred to as enclosed therein are being deposited with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," addressed to:

Commissioner for Patents

BOX PATENT APPLICATION

Washington, D.C. 20231-9999

9 July 2001

Date of Signature

Robert W. Sturz

JCS79 U S PTO
09 901782
07/09/01

TO THE COMMISSIONER FOR PATENTS

Box Patent Application

Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. § 111(a) and 37 C.F.R. § 1.53(b) is a new utility patent application for an invention entitled:

REAL-TIME SEQUENCE DETERMINATION

and invented by:

Susan H. Hardin, James M. Briggs, Shiao-Chun Tu, Xiaolian Gao and Richard Willson

Customer Number 23873

If this application is a **CONTINUATION APPLICATION**, check the appropriate box and supply the requisite information:

Continuation Divisional Continuation-in-part of prior application no.: _____
Filing Date: _____

If this application **CLAIMS PROVISIONAL PRIORITY**, check the box and supply the requisite information:

Provisional Patent Application Serial No.: 60/216,594 Filing Date: 7 July 2001
 Provisional Patent Application Serial No.: _____ Filing Date: _____
 Provisional Patent Application Serial No.: _____ Filing Date: _____

Enclosed are:

Application Elements

1. Filing fee as calculated and transmitted as described below
2. Specification having 22 pages, including the following:
 - a. Descriptive Title of the Invention
 - b. Cross References to Related Applications (*if applicable*)
 - c. Statement Regarding Federally-sponsored Research/Development (*if applicable*)
 - d. Reference to Microfiche Appendix (*if applicable*)
 - e. Background of the Invention
 - f. Summary of the Invention
 - g. Brief Description of the Drawings
 - h. Detailed Description of the Invention
 - i. Claim(s) as Classified Below
 - j. Abstract of the Disclosure
3. Drawing(s) (when necessary as prescribed by 35 USC 113)
 - a. Formal b. Informal Number of Sheets 12
4. Oath or Declaration
 - a. Newly executed (original or copy) Unexecuted
 - b. Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
 - c. With Power of Attorney Without Power of Attorney
 - d. DELETION OF INVENTORS
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference.
6. Computer Program on Microfiche
7. Genetic Sequence Submission (*if applicable, all must be included*)
 - a. Paper Copy
 - b. Computer Readable Copy
 - c. Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. Assignment Papers (*cover sheet & documents*)

9. 37 CFR 3.73(b) Statement (*when there is an assignee*)

10. English Translation Document (*if applicable*)

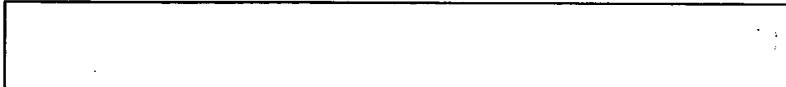
11. Information Disclosure Statement/PTO-1449 Copies of IDS Citations

12. Preliminary Amendment

13. Acknowledgment postcard

14. Certified Copy of Priority Document(s) (*if foreign priority is claimed*)

15. Applicant claims the benefit of Small Entity Status

16. Additional Enclosures (*please identify below*):


FEE CALCULATION AND TRANSMITTAL

CLAIMS AS FILED					
	# Filed	# Allowed	# Extra	Rate	Fee
Total Claims	33	20	13	\$9.00	\$117.00
Indep. Claims	12	3	9	\$40.00	\$360.00
Multiple Dependent Claims	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				\$0.00
BASIC FILING FEE					\$355.00
TOTAL FILING FEE					\$832.00

A check in the amount of _____ to cover the filing fees is enclosed.

The Commissioner for Patents is hereby authorized to charge and credit Deposit Account No. **501518** as described below. A duplicate copy of this sheet is enclosed.

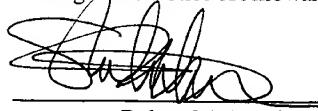
Charge the amount of _____ as filing fees.

Credit any overpayment.

Charge any additional filing fees required under 37 C.F.R. §§ 1.16 and 1.17.

Charge the issue fee set in 37 C.F.R. § 1.18 at the mailing of the Notice of Allowance pursuant to 37 C.F.R. § 1.311(b).

Date: 9 July 2001



Robert W. Strozier